

# Material Safety Data Sheet

24 Hour Assistance:  
1-847-367-7700  
Rust-Oleum Corp.  
www.rustoleum.com

## Section 1 - Chemical Product / Company Information

Product Name: Clean & Etch Solution      Revision Date: 07/07/2003  
Identification Number: F0108402  
Product Use/Class: Cleaning & Etching Solution  
Supplier: Rust-Oleum Corporation      Manufacturer: Rust-Oleum Corporation  
11 Hawthorn Parkway      11 Hawthorn Parkway  
Vernon Hills, IL 60061      Vernon Hills, IL 60061  
USA      USA  
Preparer: Department, Regulatory

## Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Phosphoric Acid	7664-38-2	30.0	1 MG/M <sup>3</sup>	3 MG/M <sup>3</sup>	1 MG/M <sup>3</sup>	N.E.

## Section 3 - Hazards Identification

\*\*\* Emergency Overview \*\*\*: Use ventilation necessary to keep exposures below recommended exposure limits, if any.

Effects Of Overexposure - Eye Contact: Can cause severe eye irritation. Causes eye irritation.

Effects Of Overexposure - Skin Contact: Low hazard for usual industrial handling or commercial handling by trained personnel. Substance may cause slight skin irritation. Contact causes severe skin irritation and possible burns.

Effects Of Overexposure - Inhalation: No Information.

Effects Of Overexposure - Ingestion: Substance may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: No Information.

Primary Route(s) Of Entry: Skin Contact, Inhalation, Eye Contact

## Section 4 - First Aid Measures

First Aid - Eye Contact: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: No Information.

First Aid - Ingestion: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

## **Section 5 - Fire Fighting Measures**

Flash Point: 212 F  
(Setaflash)

LOWER EXPLOSIVE LIMIT: N.A. %  
UPPER EXPLOSIVE LIMIT : N.A. %

Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam

Unusual Fire And Explosion Hazards: No Information.

Special Firefighting Procedures: No Information.

## **Section 6 - Accidental Release Measures**

Steps To Be Taken If Material Is Released Or Spilled: No Information.

## **Section 7 - Handling And Storage**

Handling: Wash thoroughly after handling. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage: Keep away from heat, sparks, flame and sources of ignition.

## **Section 8 - Exposure Controls / Personal Protection**

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Use gloves to prevent prolonged skin contact.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

## **Section 9 - Physical And Chemical Properties**

Boiling Range: 266 - 316 F  
Odor:

Vapor Density:  
Odor Threshold:

Heavier than air

Appearance:	Not Applicable	Evaporation Rate:	ND
Solubility in H <sub>2</sub> O:	Liquid		Slower than Ether
Freeze Point:	Soluble	Specific Gravity:	1.1370
Vapor Pressure:	ND	PH:	NE
Physical State:	Liquid		

(See section 16 for abbreviation legend)

## Section 10 - Stability And Reactivity

Conditions To Avoid: No Information.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition: When heated to decomposition it emits acrid smoke and irritating fumes. By open flame, carbon monoxide and carbon dioxide.

Hazardous Polymerization: No Information.

Stability: No Information.

## Section 11 - Toxicological Information

Product LD<sub>50</sub>: ND

Product LC<sub>50</sub>: ND

### **Chemical Name**

Phosphoric Acid

### **LD<sub>50</sub>**

RAT 4400MG/KG

### **LC<sub>50</sub>**

N.E.

## Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

## Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

## Section 14 - Transportation Information

DOT Proper Shipping Name: Corrosive Liquid NOS  
 DOT Technical Name: —  
 DOT Hazard Class: 8  
 DOT UN/NA Number: UN 1760

Packing Group: III  
 Hazard Subclass: —  
 Resp. Guide Page: 154

## Section 15 - Regulatory Information

**CERCLA - SARA Hazard Category**

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD

**SARA Section 313:**

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

**Chemical Name****CAS Number**

Phosphoric Acid

7664-38-2

**Toxic Substances Control Act:**

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

None known

**U.S. State Regulations: As follows -****New Jersey Right-to-Know:**

The following materials are non-hazardous, but are among the top five components in this product.

**Chemical Name****CAS Number**

Water

7732-18-5

POLYDIMETHYLSILOXANE AND AND 1 WT.% AMORPHOUS SILICA

63148-62-9

**Pennsylvania Right-to-Know:**

The following non-hazardous ingredients are present in the product at greater than 3%.

**Chemical Name****CAS Number**

Water

7732-18-5

**California Proposition 65:**

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

none

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

none

**International Regulations: As follows -****CANADIAN WHMIS:**

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

**CANADIAN WHMIS CLASS:** No Information Available

## **Section 16 - Other Information**

**HMIS Ratings:**

Health: 1

Flammability: 1

Reactivity: 1

Personal Protection: X

**VOLATILE ORGANIC COMPOUNDS, g/l:** N.A.

**REASON FOR REVISION:**

**Legend:** N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.